

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	OIPE	)	
Masanori MUKAI	FEB 2 8 2001	)	Group Art Unit: Unassigned
Application No.: 09/771,694		)	Oroup Art Offit. Offassighed
Filed: January 30, 2001	RADEMARKO	)	Examiner: Unassigned
CPA Filing Date (if applicable):		)	
For: PAPER DISCRIMINA	ATOR	)	

Assistant Commissioner for Patents Washington, D.C. 20231

## INFORMATION DISCLOSURE STATEMENT

In accordance with the duty of disclosure provisions of 37 C.F.R. §1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

the	subject appl	ication	•
1.	Enclosures	accon	npanying this Information Disclosure Statement are:
	1a.	[X]	Form PTO-1449.
	1b.	[ <b>X</b> ]	Copies of IDS citations. (If box not checked, see Item 6, below)
	1c.	[]	An English language copy of search report(s) from a counterpart foreign application or a PCT International Search Report.
	1 <b>d</b> .	[X]	English language translation (complete or relevant portion(s)) attached to each non-English language publication.
	le.	[]	Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of each non-English publication.
	1f.	[]	List of Copending Applications (ATTACHMENT 1(f), hereto).
	1g.	[]	List of Additional Submitted Documents (ATTACHMENT 1(g), hereto).
2.	[X] This	Inform	nation Disclosure Statement is filed under 37 C.F.R. §1.97(b):
			(Check either Item 2a or 2b)
	2a.	[X ]	before the latter of three (3) months after the U.S. patent application filing date or before

with the filing of a Request for Continued Examination (RCE) or Continued Prosecution

Application (CPA) and before the first Office Action on the merits therein.

the first Office Action on the merits therein; or

2b. []

		2c.	[]	during 3-month suspension requested concurrently with filing of CPA or RCE		
		2d.	[]	with responses to Notice of Missing Parts in relation to CPA filed		
		Acc	ordingl	ly, no fee or § 1.97(e) Statement is required.		
3. []				nation Disclosure Statement is filed under 37 C.F.R. §1.97(c) after the first Office Action its, but before a Final Office Action or a Notice of Allowance.		
				(Check either Item 3a or 3b; Item 3b to be checked if any reference known for more than 3 months)		
		3a.	[]	The §1.97(e) Statement in Item 5 below is applicable. Accordingly, no fee is required.		
		3b.	[]	The \$180.00 fee set forth in 37 C.F.R. §1.17(p) in accordance with 37 C.F.R. §1.97(c) is:  [ ] enclosed. [ ] to be charged to Deposit Account No. 19-3935.		
4.	[]			nation Disclosure Statement is filed under 37 C.F.R. §1.97(d) after the Final Office Actionice of Allowance, but before payment of the Issue Fee.		
		01 11	1011011	The § 1.97(e) Statement (Item 5 below) is applicable.		
		The	The \$180.00 fee set forth in 37 C.F.R. §1.17(p)in accordance with 37 C.F.R. §1.97(d) is:			
		[]	enclo			
5. []		State	ement 1	under § 1.97(e) (applicable if Item 3a or Item 4 is checked)		
				(Check either Item 5a or 5b)		
		5a.	[]	In accordance with 37 C.F.R. §1.97(e)(1), it is stated that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.		
		5b.	[]	In accordance with 37 C.F.R. §1.97(e)(2), it is stated that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known by any individual designated in §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.		
6. []	This	is a co	ontinuation/divisional/continuation-in-part application under 37 C.F.R. §1.53(b).			
				(Check appropriate Items 6a and/or 6b)		
		6a.	[]	Copies of the publications listed on the attached Form PTO-1449 which were previously cited in prior application Serial No, filed on, of which this application claims priority under 35 U.S.C. §120, have been omitted pursuant to 37 C.F.R. §1.98(d).		
		6b.	[]	Copies of the publications listed on the attached Form PTO-1449 which were not previously cited in prior application Serial No		

herewith or has been granted. A continuation application under 37 C.F.R. §1.53(d) payment of the Issue Fee is proper in accordance with 37 C.F.R. §1.53(d)(1)(ii).  8. [] This is a Supplemental Information Disclosure Statement.  (Check either Item 8a or 8b)  8a. [] This Supplemental Information Disclosure Statement under 37 C.F.R. §1.97(f) supplements the Information Disclosure Statement filed on	7. [ ] This is a continuation/div			is a co	entinuation/divisional application under 37 C.F.R. §1.53(d).		
7b. [] A Petition to Withdraw from issue under 37 C.F.R. §1.313(b)(5) is filed concurrently herewith or has been granted. A continuation application under 37 C.F.R. §1.53(d) payment of the Issue Fee is proper in accordance with 37 C.F.R. §1.53(d)(1)(ii).  8. [] This is a Supplemental Information Disclosure Statement.  (Check either Item 8a or 8b)  8a. [] This Supplemental Information Disclosure Statement under 37 C.F.R. §1.97(f) supplements the Information Disclosure Statement filed on fide attempt was made to comply with 37 C.F.R. §1.98, but inadvertent omissions we made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental IDS can be considered as if properly filed on for the Notice under 37 C.F.R. §1.97(i), mailed (MPEP 609, Form §6.51, July 1997.)  9. [X] In accordance with 37 C.F.R. §1.98, a concise explanation of what is presently understood to be relevance of each non-English language publication is:  (Check appropriate Items 9a, 9b, 9c and/or 9d)  9a. [] satisfied because all non-English language publications were cited on the enclosed English language copy of the PCT International Search Report or the search report for a counterpart foreign application indicating the degree of relevance found by the fore office. (See U.S. Patent & Trademark Office's authorization in the Federal Register Vol. 57, No. 12, January 17, 1992, at page 2031 (Reply to Comment 68).)  9b. [] set forth in the application.  9c. [X] satisfied because an English language translation (complete or relevant portion(s)) is attached to each non-English language publication.  9d. [] enclosed as Attachment 1(e), hereto.					(Check either Item 7a or 7b)		
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11. The Commissioner is authorized to credit any overpayment or charge any additional fee required under 37 C.F.R. §1.17 for this Information Disclosure Statement and/or Petition to Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Dated: February 27, 2001

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## PRIOR ART INFORMATION LIST

Your Ref: Our Ref:2000243E01US

	Our Ref:2000243E01US			
Inventor, Patent Number, Country, Author, Title, Name of Document	Issue Date (day/month/year)	Explanation of relevance		
Japanese Patent Publication No.59-68088	17/04/1984	English Abstract & Translation of relevant range is attached		
Japanese Patent Publication No.64-9590	12/01/1989	English Abstract is attached		
Japanese Patent Publication No.09-44721	14/02/1997	English Abstract is attached		
Japanese utility model Publication No.06-75379	25/10/1994	English Abstract is attached		
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